



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 138296

TO: Shailendra Kumar
Location: 5c03 / 5c18
Saturday, November 20, 2004
Art Unit: 1621
Phone: 272-0640
Serial Number: 10 / 765602

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

Jan please

Access DB# 138296

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: S. Kumar Examiner #: 69544 Date: 11/19/04
Art Unit: 162 Phone Number: 2-0640 Serial Number: 10/765 602
Mail Box and Bldg/Room Location: REM 5C03 Results Format Preferred (circle): PAPER DISK E-MAIL
5C18

If more than one search is submitted, please prioritize searches in order of need.

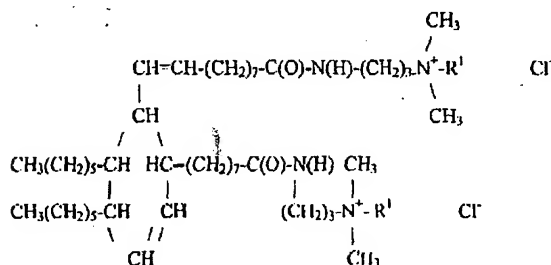
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Dimeramido propyl dimethyl quaternary compound
Inventors (please provide full names): Anthony J. O'Lenick Jr. et al.

Earliest Priority Filing Date: 1/28/2004

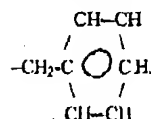
For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Claim 1 (Amended). A quaternary compound conforming to the following structure:



wherein;

R¹ is selected from the group consisting of -CH₃, -CH₂-CH(OH)CH₂OH and



Claim 2 (Original). A quaternary compound of claim 1 wherein R¹ is -CH₃.

Claim 3 (Cancel)

Searcher Phone #: <u>22504</u>	AA Sequence (#) <u>✓</u>	Dialog <u>✓</u>
Searcher Location: _____	Structure (#) <u>✓</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>11/20</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>11/20</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep. Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>10</u>	Patent Family _____	WWW/Internet _____
Online Time: <u>410</u>	Other _____	Other (specify) _____

=> fil reg

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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 18 NOV 2004 HIGHEST RN 784112-11-4
 DICTIONARY FILE UPDATES: 18 NOV 2004 HIGHEST RN 784112-11-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

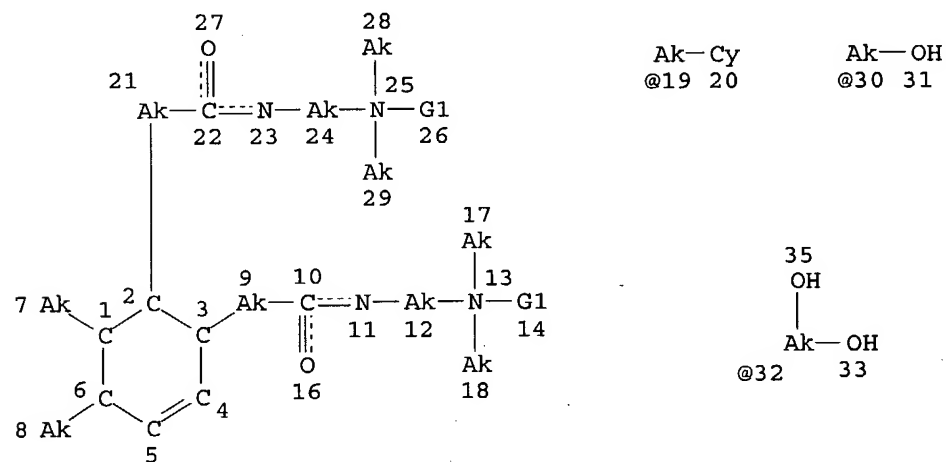
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d sta que l6

L3 STR



VAR G1=AK/30/32/19

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 20

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

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L6 2 SEA FILE=REGISTRY ABB=ON PLU=ON L5/COM

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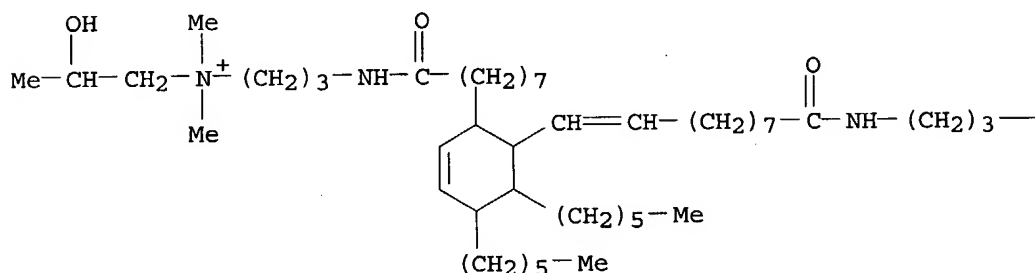
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 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: USES (Uses)

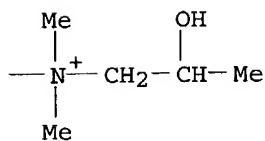
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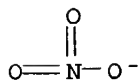


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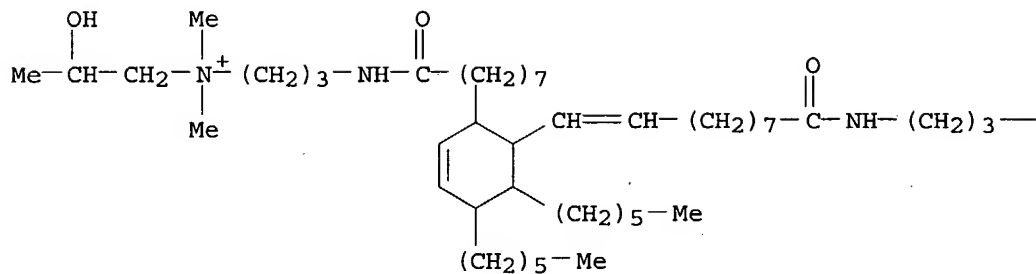
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 118:256656

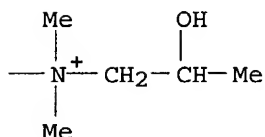
L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
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NAME)
 FS 3D CONCORD
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 CI COM
 SR CA

PAGE 1-A



PAGE 1-B



=> d his

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FILE 'REGISTRY' ENTERED AT 16:43:26 ON 20 NOV 2004

SET COST OFF

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 L3 STR L1
 L4 1 S L3 CSS SAM
 L5 4 S L3 CSS FUL
 SAV L5 KUMAR765/A
 L6 2 S L5/COM

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L7 0 S L6

FILE 'HCAPLUS' ENTERED AT 16:49:29 ON 20 NOV 2004

L8 1 S L6

FILE 'USPATFULL, USPAT2' ENTERED AT 16:50:00 ON 20 NOV 2004

L9 0 S L6

FILE 'REGISTRY' ENTERED AT 16:50:11 ON 20 NOV 2004

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:50:20 ON 20 NOV 2004

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FILE COVERS 1907 - 20 Nov 2004 VOL 141 ISS 22
FILE LAST UPDATED: 18 Nov 2004 (20041118/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 18 all hitstr

L8 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:256656 HCAPLUS
DN 118:256656
ED Entered STN: 26 Jun 1993
TI Coating of plastic moldings after treatment with quaternary ammonium compound
IN Akeboshi, Koji; Uohashi, Hiromichi; Shimizu, Shigeru; Hayashibe, Kunihiro
PA Nihon GE Plastics, Ltd., Japan; Yoshimura Oil Chemical Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C08J007-04
ICS B05D003-10; B05D007-02
CC 42-2 (Coatings, Inks, and Related Products)
Section cross-reference(s): 46

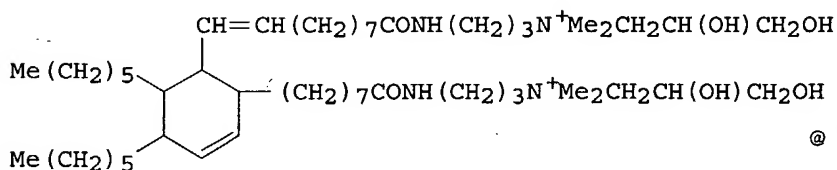
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04202336	A2	19920723	JP 1990-333351	19901129
PRAI	JP 1990-333351		19901129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 04202336	ICM	C08J007-04
	ICS	B05D003-10; B05D007-02

GI



AB Plastic moldings such as automobile bumpers or bodies are treated with surfactants containing ≥30% (non)cyclic dimer or trimer acid-based quaternary ammonium compds. before coating with primers to ensure low surface resistivity and give smooth top coatings. A GTX 6006

(polyamide-polyoxyphenylene blend) molding was soaked in aqueous H₃PO₄, washed with water, dried, soaked in iso-PrOH containing 1% I (Elic PS 920), and dried at 75° to give a sheet with resistivity 2.3 + 108 Ω-cm initially and 7.7 + 108 Ω-cm after 30 min at 160°, vs. 6.8 + 108 and 1012, resp., with C₁₇H₃₅CONH(CH₂)₃N+Me₂CH₂CH₂OH NO₃- instead of I.

ST dimer acid ammonium surfactant primer; trimer acid ammonium surfactant primer; automobile coating primer surfactant pretreatment; bumper automobile coating surfactant

IT Surfactants
(ammonium compds., plastic moldings treated by, for primer and topcoat smoothness)

IT Coating process
(of plastic moldings, surfactant treatment in, for primer and topcoat smoothness)

IT Automobiles
(bumpers, coating of, ammonium surfactant in, for primer and topcoat smoothness)

IT 147831-24-1
RL: USES (Uses)
(surfactants, plastic moldings pretreated by, for primer and topcoat smoothness)

IT 147831-24-1
RL: USES (Uses)
(surfactants, plastic moldings pretreated by, for primer and topcoat smoothness)

RN 147831-24-1 HCAPLUS

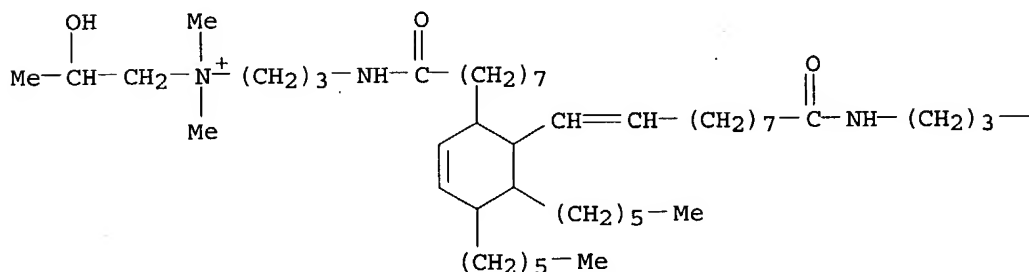
CN 1-Propanaminium, 3-[[8-[4,5-dihexyl-6-[10-[[3-[(2-hydroxypropyl)dimethylammonio]propyl]amino]-10-oxo-1-decenyl]-2-cyclohexen-1-yl]-1-oxooctyl]amino]-N-(2-hydroxypropyl)-N,N-dimethyl-, dinitrate (salt) (9CI) (CA INDEX NAME)

CM 1

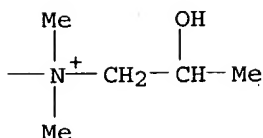
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CMF C52 H102 N4 O4

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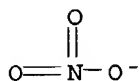
PAGE 1-B



CM 2

CRN 14797-55-8

CMF N O3



=> => fil marpat

FILE 'MARPAT' ENTERED AT 16:52:06 ON 20 NOV 2004

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FILE CONTENT: 1988-PRESENT (VOL 141 ISS 20) (20041112/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6787678 07 SEP 2004

DE 10309682 09 SEP 2004

EP 1457483 15 SEP 2004

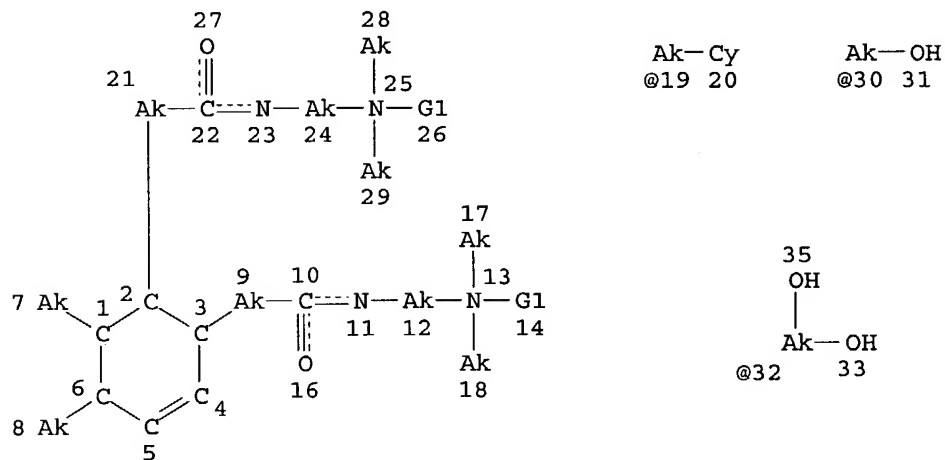
JP 2004247640 02 SEP 2004

WO 2004083203 30 SEP 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> d sta que

L3 STR



VAR G1=AK/30/32/19

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 20

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

L11 3 SEA FILE=MARPAT CSS FUL L3

L12 0 SEA FILE=MARPAT ABB=ON PLU=ON L11/COM

=> => fil beil

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FILE RELOADED ON OCTOBER 20, 2002

FILE LAST UPDATED ON NOVEMBER 3, 2004

FILE COVERS 1771 TO 2004.

*** FILE CONTAINS 9,073,068 SUBSTANCES ***

>>>PLEASE NOTE: Reaction Data and substance data are stored in
separate documents and can not be searched together in one query.
Reaction data for BEILSTEIN compounds may be displayed
immediately with the display codes PRE (preparations) and REA
(reactions). A substance answer set retrieved after the search
for a chemical name, a compounds with available reaction
information by combining with PRE/FA, REA/FA or more generally
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between a BEILSTEIN compound and belonging reactions. For mo
detailed reaction searches BRNs can be searched as reaction
partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

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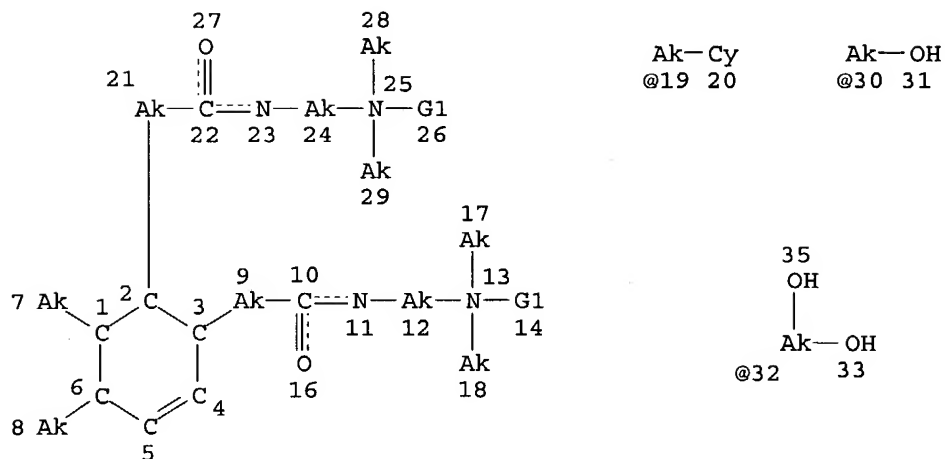
NEW

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=> d sta que

L3

STR



VAR G1=AK/30/32/19

NODE ATTRIBUTES:

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 33

STEREO ATTRIBUTES: NONE

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L6 2 S L5/COM

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FILE 'HCAPLUS' ENTERED AT 16:49:29 ON 20 NOV 2004

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FILE 'USPATFULL, USPAT2' ENTERED AT 16:50:00 ON 20 NOV 2004

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